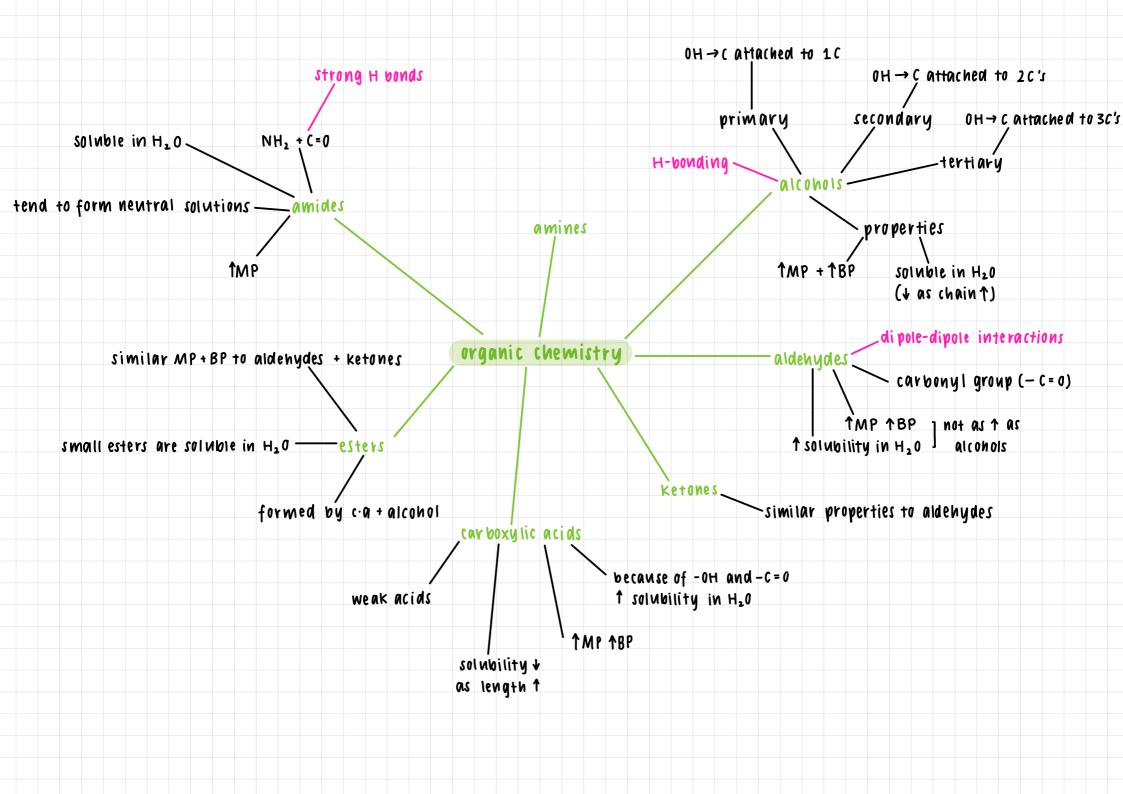


c = c (R-OH	R-C 10	R-C 0H
		Ъ) OH
alkenes	alcohol	aldenyde	carboxylic acids
(-ene)	(-01)	(-a1)	(-oic acid)
		(11)	
0	0 R - C - R	, 0	
R - C NH2	R - C - R	R-C,0-R,	R-NH ₂
`NH ₂		0 - K	
amide	Ketones	esters	amines
(-amide)	(-one)	(-y1 - 0ate)	(-amine)
priority list.			
0 c·a·	Methyl	strong KMn04	
@ amides	ethyl	primary alcohol -> aldehyde -> c·a	
3 aldehydes	propyl	secondary alconol → ketone	
1 Ketones	butyĺ	Cr ₂ K ₂ 0 ₇	
(S) alcohols	pentyl	potassinm dichromate	
6 amines	nexyl		
1 alkenes	heptyl		
alkyl groups, halides etc-	octyi		
		cis + trans:	
		Br, Br C	CH ₂ CH ₃
		Br	CH ₂ CH ₃ C=C
		H	1 Cl
		cis-1,2-di bromoethen e tro	ans - 1, 2 -dichlorobut - 1 - ene



examples of organic compounds:

aldehyde:

ketone:

carboxylic acid:

esterification example:

amide:

a mine :

propan-I-amine

3,3-dichloronexan-I-amine

acids

glycine (2-amine

ethanoic acid)

reactions of hydrocarbons:

addition:

alanine (2-amino ethene + bromine water
$$\rightarrow$$
 1,2-dibromoethene propanoic acid)

substitution:

+ water

empirical formula 0 mass 2 mols 3 mol ratio (÷ by smallest no of mols) 4 simple ratio molecular formula 0 find empirical mass 2 use molecular mass given 3 MF/FF = factor 4 x EF by factor found

